



Release Notes

Script Library | Script library

RELEASE	DISTRIBUTION	STATUS
07-2026	External	released

WHAT'S NEW ?

Major Features

FW

#3790 FW 5.2.02 Webdyn Scripts Library

Statut : Resolved

Following the device definition file library introduced earlier, Webdyn scripts are now provided via a library hosted on Webdyn server. Latest update or new scripts are directly accessible to the WebdynSunPM at any time. Information is provided when a new version is available

Control

Import

Import a script library, a script file or a licence file

Library file or script file or licence file Load

☐ Automatically update scripts when a new Script Library is imported

Cancel Save

Name	Description	Version	License	Library	Status	
ActivePowerRegulation	Active power regulation	6.0	Active		Enabled	
Decouplage	Decouplage	8	Missing/Invalid		Disabled	
GenSet-V1_04	Generator	1.04	Missing/Invalid		Disabled	
LocalDisplay	Local Display	8	Not required		Error	
PlantActivePowerRegulation	Plant Active power regulation	7.07	Active		Disabled	
PlantPowerDirectControl	PowerDirectControl	1.08	Missing/Invalid		Disabled	
RelayControl	Relay Control	2.0	Not required		Error	
SendCommand	Send Command	1.0	Not required		Error	
INV_RippleControl	INV Control IO	2.0	Missing/Invalid		-	
InjectionAndProductionRegulation	InjectionAndProductionRegulation	1.0	Missing/Invalid		-	
PlantDecouplage	Decouplage	14	Missing/Invalid		-	
PlantRelayControl	Relay Control	2.2	Not required		-	
PlantSendCommand	Send Command	1.0	Not required		-	

#3818 FW 5.2.02 New variable 'Constant' for device definition file

Statut : Resolved

A new type of variable is introduced for device definition file. It is now possible to define constants which are not provided directly by the device on Modbus. This is useful when the device has a generic definition file and the device itself doesn't provide a specific value, for example rated power that will be later used in scripts. For a constant, it is necessary to provide an index, variable type (U16, U32, STRING), name, value and action code = 10. Tag, coefficients and unit are optional

#3947 FW 5.2.02 Plant Manager CORE

Statut : Resolved

The WebdynSunPM now organize devices and features according to functional groups. A new virtual object 'Plant' is introduced. A plant is composed of multiple nodes which represents a functional group of a PV Plant. Devices of different categories can be grouped in a node to satisfy a specific feature of this node. The following nodes are introduced: SOLAR, GRID, STORAGE, CONSUMPTION. Each node are unique, each device can be attached to a node. Based on the device category and node, Plant Manager provides a specific set of LUA functions and aggregated values available to the LUA script engine _daq.csv is modified as followed for devices:, tag is replaced by category, model is replaced by node

Other Features

FW

#3462 FW 5.2.02 Proprietary protocols added

Statut : Resolved

DiehlAko Platinum and Siemens PVM/Refusol are now added to WebdynSunPM

#3828 FW 5.2.02 Device currently in use can be updated with a definition file from library

Statut : Resolved

It is now possible to automatically update device definition file being used with a file from the library. By default, it is not activated

#3852 FW 5.2.02 Update Definition File Library external Command

Statut : Resolved

Device definition file library can be updated via the external command (SMS, MQTT, Server file)

GUI

#3299 FW 5.2.02 Log files can be directly downloaded from the webserver via a single button

Statut : Resolved

To provide a more efficient customer support, a single button in Systems is introduced to download a package including all relevant log files for support analysis. This package can then be forward to Webdyn Support.

#3686 FW 5.2.02 Refresh modem information button

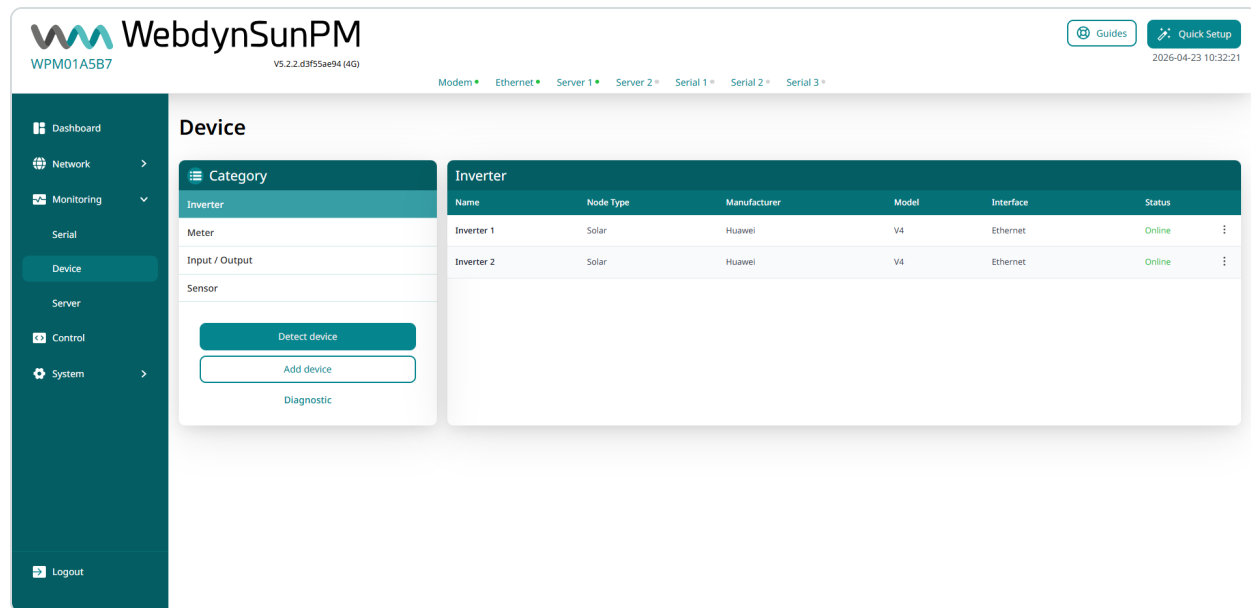
Statut : Resolved

During modem initialization, the default refresh time is 60s. To fasten the commissioning, a button refresh is introduced to force the refresh of the modem information. During normal modem operation, the page is refreshed every 10s.

#3799 FW 5.2.02 Devices are now displayed in a table in Monitoring

Statut : Resolved

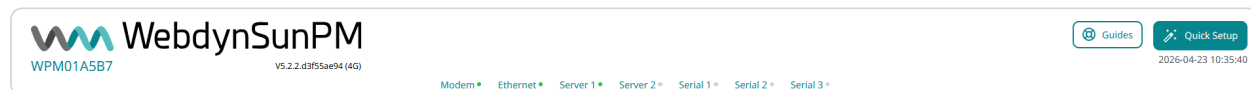
Devices cards display has been changed to a devices table display for providing more information



#3816 FW 5.2.02 Services states are now displayed as status chips in the webserver header

Statut : Resolved

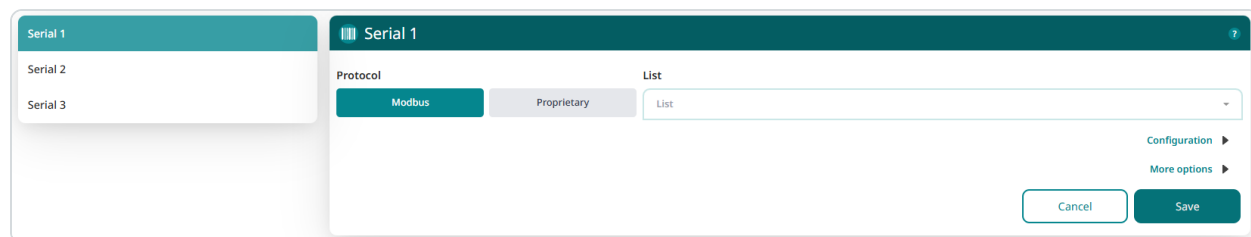
Status of all services available on the WebdynSunPM is now displayed on the header in all pages of the webserver. Service status available are: * Modem state * Ethernet state * Server 1/2 last connection state * Serial 1/2/3 communication state



#3817 FW 5.2.02 New Serial ports configuration page

Statut : Resolved

The serial ports configuration has been reworked to ensure a better understanding. Proprietary protocols are now explicitly selected and pre-configured. Modbus only concerns Modbus, SunSpec and predefined brand settings.



SCRIPT

#3853 FW 5.2.02 New LUA Functions to Access Virtual Variables with Dynamic Script Naming

Statut : Resolved

We have introduced new LUA functions to enhance the management of virtual variables. The functions `checkVirtualVar` and `getVirtualVar` allow you to access virtual variables while enabling the modification of the script name, which was previously constrained. `checkVirtualVar(varName: string)` determines the validity of a virtual variable, and `getVirtualVar(varName: string)` retrieves its corresponding value. These changes facilitate more flexible script management and variable usage.

FIXES

Other Fixes

AUTRES

#4133 FW 5.2.05 SunSPEC Firmware Update Required for Correct Tagging of Repeating Blocks

Statut : Resolved

A bug was identified with SunSPEC inverter detection, where certain tables containing repeating blocks (such as MPPT numbers) caused tags to be duplicated, resulting in labels like 'TAG' appearing N times. This issue has been resolved so that when a tag is applied to these blocks, it will now generate labels in the correct format, ranging from 'TAG_1' to 'TAG_N', thus providing clearer identification and improving operational efficiency.

#4137 FW 5.2.05 Fix for Sunspec Detection Issue Allowing Device Addition Despite Unknown Tables

Statut : Resolved

The issue with the Sunspec detection process has been resolved, where the WebdynSun PM previously failed to add a device due to the presence of an unknown table. Users can now successfully add devices even if the system cannot recognize certain tables based on the SCAN file.

FW

#3834 FW 5.2.02 WebdynSun PM reboot issue after sending two SMS commands

Statut : Resolved

A bug has been resolved where the WebdynSun PM rebooted after receiving two SMS commands consecutively. Users can now successfully send commands in the SMS format `=:... ; =:... ;` without triggering a reboot, ensuring that the last command ends without a semicolon to avoid issues.

#3835 FW 5.2.02 WebdynSun PM restarts due to SendCommand Script Value Input

Statut : Resolved

We have addressed a bug where the WebdynSun PM would unexpectedly restart after sending values via the SendCommand script.

#3849 FW 5.2.02 Correction of pulse duration handling in setrelay command for WebdynSun PM

Statut : Resolved

A bug has been resolved regarding the 'pulse' parameter in the setrelay command for the WebdynSun PM. Previously, when attempting to maintain the relay output in a closed state for x seconds using the 'duration' parameter, the relay remained closed for only 1 second before reverting to its previous state.

#3931 FW 5.2.02 Fix for SMA Inverter Parameters Not Saving in Proprietary Protocol

Statut : Resolved

We have resolved an issue where SMA inverters using the proprietary SMANET protocol could not save parameter changes from the web interface, specifically for the acquisition period. The problem stemmed from the slave address exceeding 255, which prevented successful saves. Now, slave addresses above 254 are permitted for proprietary protocols. Additionally, the label 'Slave address' has been updated to 'Slave address (Proprietary protocol)' to clarify this distinction and ensure proper functioning without disrupting the protocol.

#3932 FW 5.2.02 Advanced Data Option for Modbus Frames Not Working

Statut : Resolved

The issue with the 'Enable advanced data option' not functioning has been resolved. Previously, users could not view the number of Modbus frames received during acquisition when this option was selected in Monitoring > Server.

#3939 FW 5.2.02 Fix for SunSpec detection

Statut : Resolved

A bug in version 5.1.1 affecting the detection of SunSpec devices has been resolved

#4143 FW 5.2.05 Modbus Slave file rejection issue resolved for variable name readings

Statut : Resolved

The issue where a Modbus Slave file was rejected during readings on a variable name has been resolved. Previously, files containing a variable name would be rejected, but now these files will be accepted as long as the required information is present. This aligns with user manual guidelines specifying conditions for reading variables. Users can now successfully import their Modbus Slave files without encountering rejection due to variable names, enhancing the functionality and user experience.

#4152 FW 5.2.05 Resolved issue with empty data file in Sunspec discovery for DELTA M88H/M50A inverters

Statut : Resolved

A bug causing the data file to be nearly empty following a Sunspec discovery for DELTA M88H and M50A inverters has been resolved. During the discovery, the inverters were correctly identified, and definition files were generated, but the data file lacked values. By setting the end of the table variable in the action code to 0, values reappeared in the data file. Additionally, it was noted that when testing with only table 103, data appeared, but integrating table 120 caused an absence of data. Further testing on-site with the actual inverters is recommended to confirm the resolution.

#4181 FW 5.2.06 Fixed issue with slave address 255 causing FTP server equipment declaration failure

Statut : Resolved

A bug has been resolved regarding equipment declaration via FTP when using a slave address of 255. While the web interface allows declaring an equipment with this address, submitting a second equipment using the .daq file resulted in an error message: 'Invalid value (255) for Addr of testslaveaddress. No default value. Aborting.'

#4184 FW 5.2.06 Resolved Bug: Excess SMS Received Without Deletion

Statut : Resolved

The issue regarding the WebdynSunPM failing to delete SMS after reading has been resolved. Previously, the system generated a loop where 250 SMS were received, showing read logs but failing to clear them from the buffer. The expected behavior was that SMS should be deleted upon reading; however, with the SIM containing an excessive number of messages, this failed to occur systematically. The buffer limit has been adjusted from 25 to 250 SMS, allowing for proper handling of messages and preventing the repetitive failure observed.

#4198 FW 5.2.06 Automatic reboot in case of blocked Modbus

Statut : Resolved

A bug was identified where communication with the inverters resulted in data files arriving empty, despite confirmed communication. This issue was linked to Modbus communication and was resolved through a workaround that involves detecting continuously repeating data, which triggers a reboot of the device.

GUI

#3855 FW 5.2.02 Script logs no longer reset when the script is stopped

Statut : Resolved

Previously, script logs would disappear from the web interface when a script was stopped, which was not the intended behavior. Logs should now remain available regardless of the script's activation state

#3865 FW 5.2.02 Inter Frame Limitation on Web Interface Exceeds 1000ms

Statut : Resolved

The web interface previously had a limitation of 1000ms for inter frame settings. Users can now configure inter frames successfully beyond this limit

#3883 FW 5.2.02 Improved error messaging for definition file imports

Statut : Resolved

We have enhanced the error messaging during the import of definition files containing duplicate variables

#3913 FW 5.2.02 Fix for Index Offset Issue When Editing Variables in Definition File Library

Statut : Resolved

Resolved an issue where editing a variable in the Definition File Library would incorrectly open the next variable due to a missing index.

SCRIPT

#3231 FW 5.2.02 New option to disable alarms in scripts to prevent unwanted connections

Statut : Resolved

A new feature has been implemented in scripts that allows users to disable alarms or have alarms function similar to action code 9, meaning they won't trigger a connection but will be logged for the next connection.